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Title: METHOD, APPARATUS AND PROGRAM
 STORAGE DEVICE FOR CORRECTING A BURST
 OF ERRORS TOGETHER WITH A RANDOM
 ERROR USING SHORTENED CYCLIC CODES
 Applicants: Mario Blaum
 Docket: HSJ920030196US1/HITG.058PA
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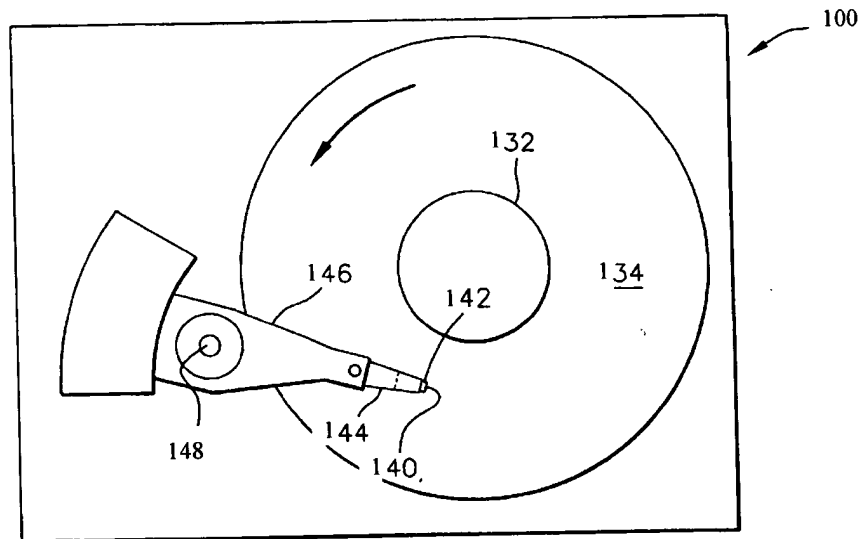


FIG. 1

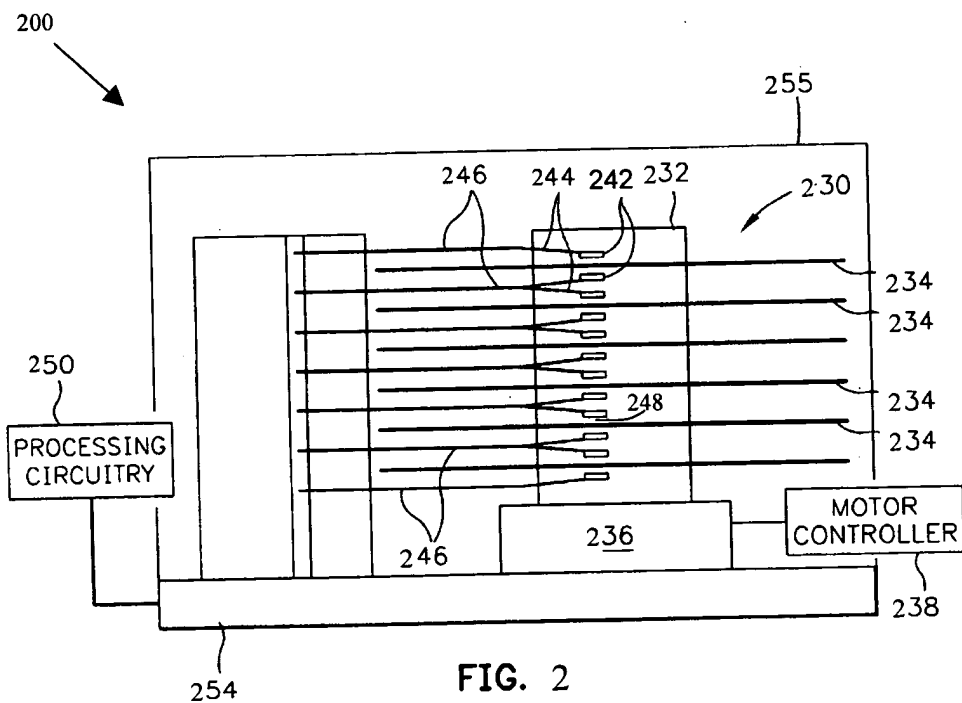


FIG. 2

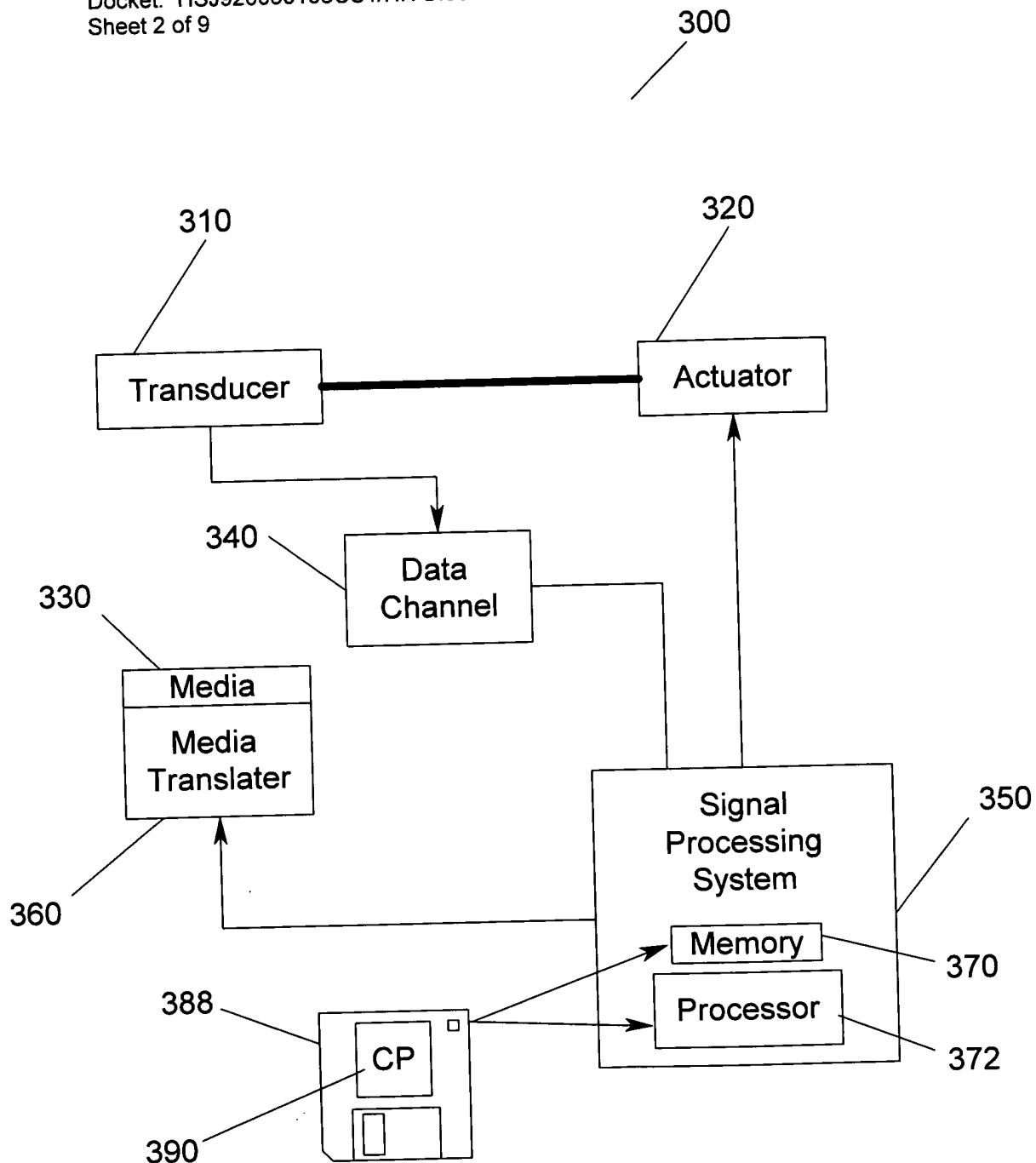


Fig. 3

400

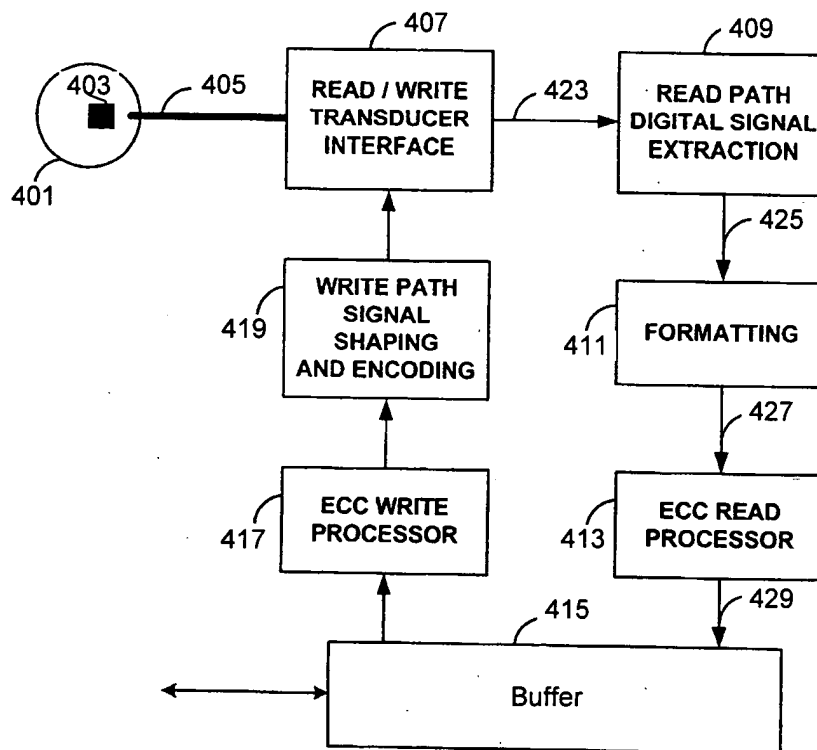


FIG. 4

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Generator Polynomial	Parameters	Generator Polynomial	Parameters
101011100011	[19, 8]	100000000110111011	[85, 67]
101011100011	[20, 9]	10001111010110111	[85, 68]
101011100011	[21, 10]	1000000001001110101	[87, 69]
101011100011	[22, 11]	1000000001010010001	[88, 70]
101011100011	[23, 12]	1000000001001110101	[89, 71]
1001001100111	[26, 14]	100000010110000111	[90, 72]
10001011101111	[29, 16]	100000010100101101	[91, 73]
10010010000101	[30, 17]	1000000110001011111	[92, 74]
11100101111111	[31, 18]	1000000100011101111	[93, 75]
100001010101101	[37, 23]	1000001000100111001	[94, 76]
101111101000011	[38, 24]	1000000010011101111	[95, 77]
100011000101011	[39, 25]	1000001000100111001	[96, 78]
100100110011001	[40, 26]	1000100100010111011	[97, 79]
1000010010000101	[43, 33]	1000000101101011111	[98, 80]
1001011110010011	[49, 34]	1000001000110110111	[99, 81]
1001011110010011	[50, 35]	1000000001011001101	[101, 82]
1010100111111011	[51, 36]	100011100011100001	[101, 83]
1000010110000111	[61, 45]	1000001100110011111	[102, 84]
1000001011101011	[62, 46]	1000100011010000101	[103, 85]
10110101110001111	[64, 48]	1010000000010101101	[104, 86]
10100000010110011	[66, 50]	1001001011100101111	[105, 87]
10011001101010011	[67, 51]	1001001011100101111	[106, 88]
10011110101101101	[69, 53]	10000000010010011101	[108, 89]
10000010011111011	[74, 57]	1000000001111110011	[109, 90]
10001001011101011	[75, 58]	1000000001001100111	[110, 91]
100001001101101011	[76, 59]	1000000001011001101	[111, 92]
100011100100001111	[77, 60]	10000000010110011001	[112, 93]
100011110101110101	[78, 61]	10000000010110011001	[113, 94]
100001001101101011	[79, 62]	1000000001001100111	[114, 95]
100011100100001111	[80, 63]	100000000101100111111	[115, 96]
111011101011111111	[81, 64]	1000000001111110011	[116, 97]
100011100110010101	[82, 65]	10000000011000110011	[117, 98]
101000111011000011	[83, 66]	1000000001111011101	[118, 99]
		10000010001110101011	[119, 100]

Fig. 5

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Generator Polynomial	Parameters	Generator Polynomial	Parameters
100110101111	[15, 4]	1000010011010110111	[59, 41]
1000101111011	[17, 5]	1010010001011010101	[60, 42]
1101010001111	[18, 6]	1000010101100001011	[61, 43]
10001001111001	[20, 7]	1001010101110110111	[62, 44]
10001001111101	[21, 8]	100001011001000011	[63, 45]
10001001111101	[22, 9]	1000000011011110011	[65, 48]
10001001111101	[24, 10]	1000001011110001011	[66, 47]
100100010110011	[25, 11]	1000001000011011011	[67, 48]
100001001011011	[27, 12]	1000001011101111111	[68, 49]
100001100111101	[28, 13]	1000010100010101001	[69, 50]
1000010010011101	[29, 14]	1000011000011000111	[70, 51]
1000001111011101	[30, 15]	10000010000111110001	[71, 52]
100101110010101	[31, 16]	1000001000011101111	[72, 53]
1100100110000111	[32, 17]	10000011010101100101	[73, 54]
10000011101100011	[34, 18]	10000011010101100101	[74, 55]
10000001011001011	[35, 19]	1001001001010101001	[75, 56]
10000100011101111	[36, 20]	100000000101110100101	[76, 57]
10000100111001011	[37, 21]	10101001001000011101	[77, 58]
10010000011110011	[38, 22]	10111000101111100011	[78, 59]
10101100000101101	[39, 23]	100000001001110110001	[80, 60]
100000010010111001	[41, 24]	100000001001110110001	[81, 61]
100000001110101011	[42, 25]	100000000001111001101	[82, 62]
100000010101100011	[43, 26]	100000010011000011011	[83, 63]
100000011001111101	[44, 27]	10000001001000001011	[84, 64]
100000100001001111	[45, 28]	10000001001000001011	[85, 65]
100000100100111101	[46, 29]	10000000011110010101	[86, 66]
100000101110101001	[47, 30]	10000000011110010101	[87, 67]
100100101111010011	[48, 31]	10000000011110010101	[88, 68]
100100101111010011	[49, 32]	10000001101100111101	[89, 69]
100100101111010011	[51, 34]	10000001101100111101	[90, 70]
100000111101001101	[53, 36]	10000011011101000101	[91, 71]
1000001000100111001	[54, 37]	100000010100111110001	[92, 72]
10000010001110111101	[55, 38]	100000010110001101101	[93, 73]
1000000110000111101	[56, 39]	100011001000101100111	[94, 74]
1000000011101110101	[57, 40]	100011001000101100111	[95, 75]
1000001011001000011	[58, 40]	100011111110111000101	[96, 76]
		101010010011101101111	[97, 77]

Fig. 6

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Generator Polynomial	Parameters
10000000101101010011	[99, 78]
100000000101010111001	[100, 79]
100000000101010111001	[101, 80]
100000000111010100011	[102, 81]
100000000100010001001	[103, 82]
100000001011010100011	[104, 83]
10000000110111100001	[105, 84]
10000000011011100001	[106, 85]
100000001111100100111	[107, 86]
1000000011101000111011	[108, 87]
1000000100010111101011	[109, 88]
1000000111010011000011	[110, 89]
1000000100001111001111	[111, 90]
1000000011011011110111	[112, 91]
1000001001101110001001	[113, 92]
1000000010100010010011	[114, 93]
1000100111101110001111	[115, 94]
100101110011110000111	[116, 95]
1000011010010010110011	[117, 96]
1000110011000000000101	[118, 97]
1001001100010000110011	[119, 98]
1001011101001110101101	[120, 99]
1000111011101110100011	[121, 100]

Fig. 7

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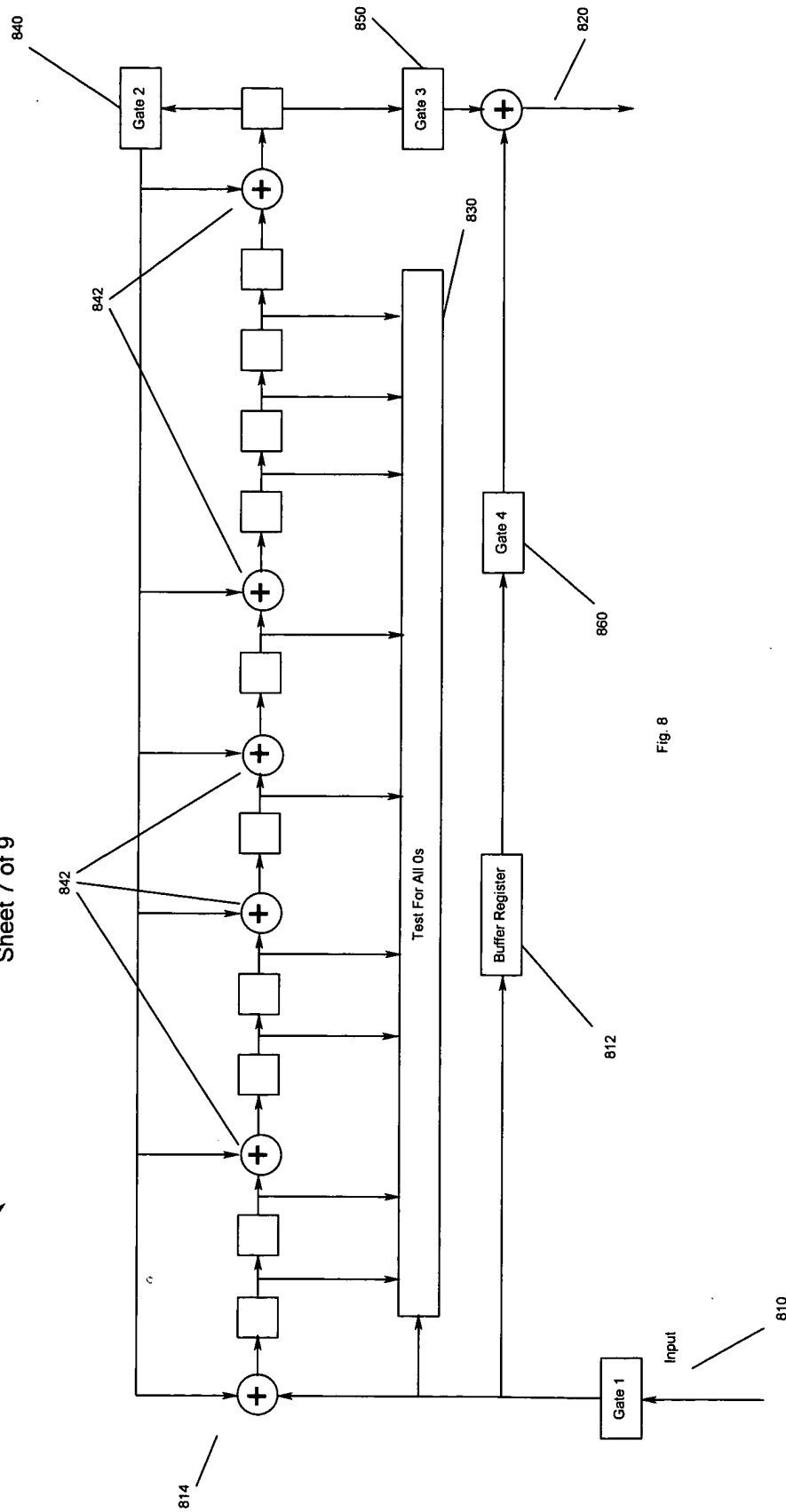


Fig. 8

900

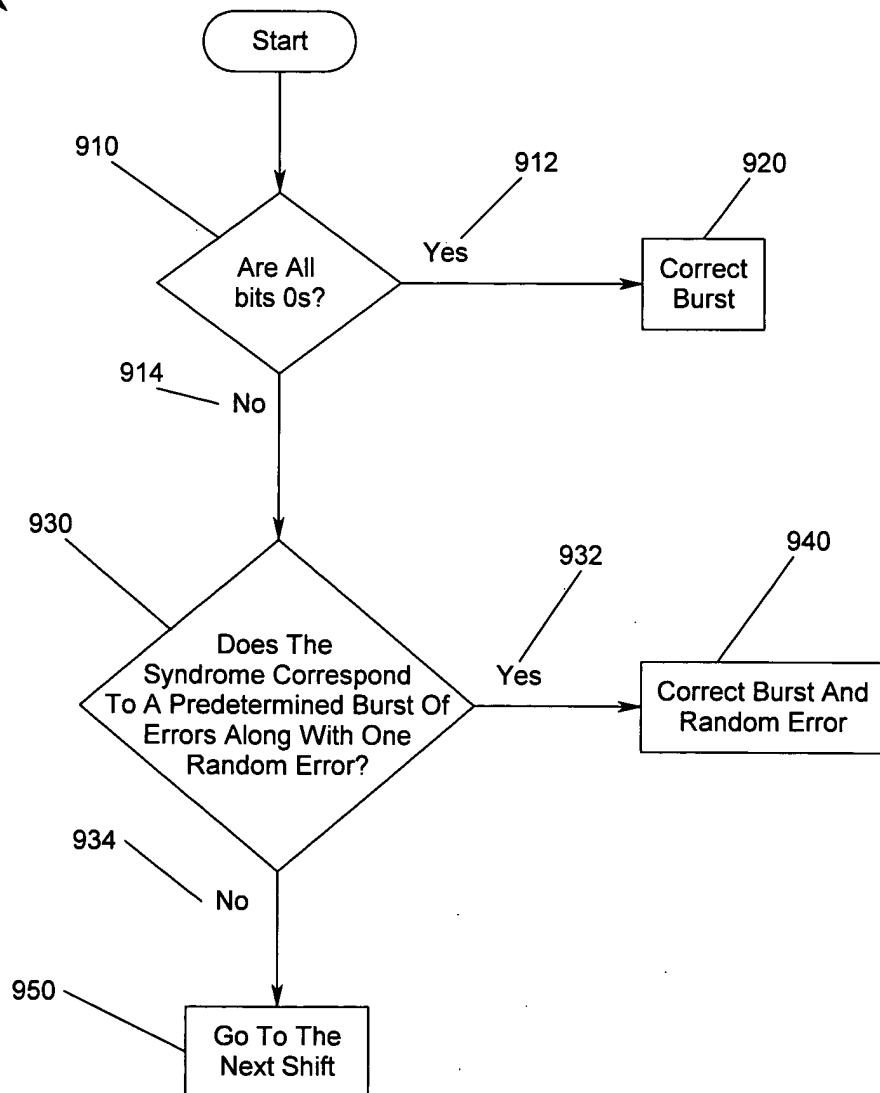


Fig. 9

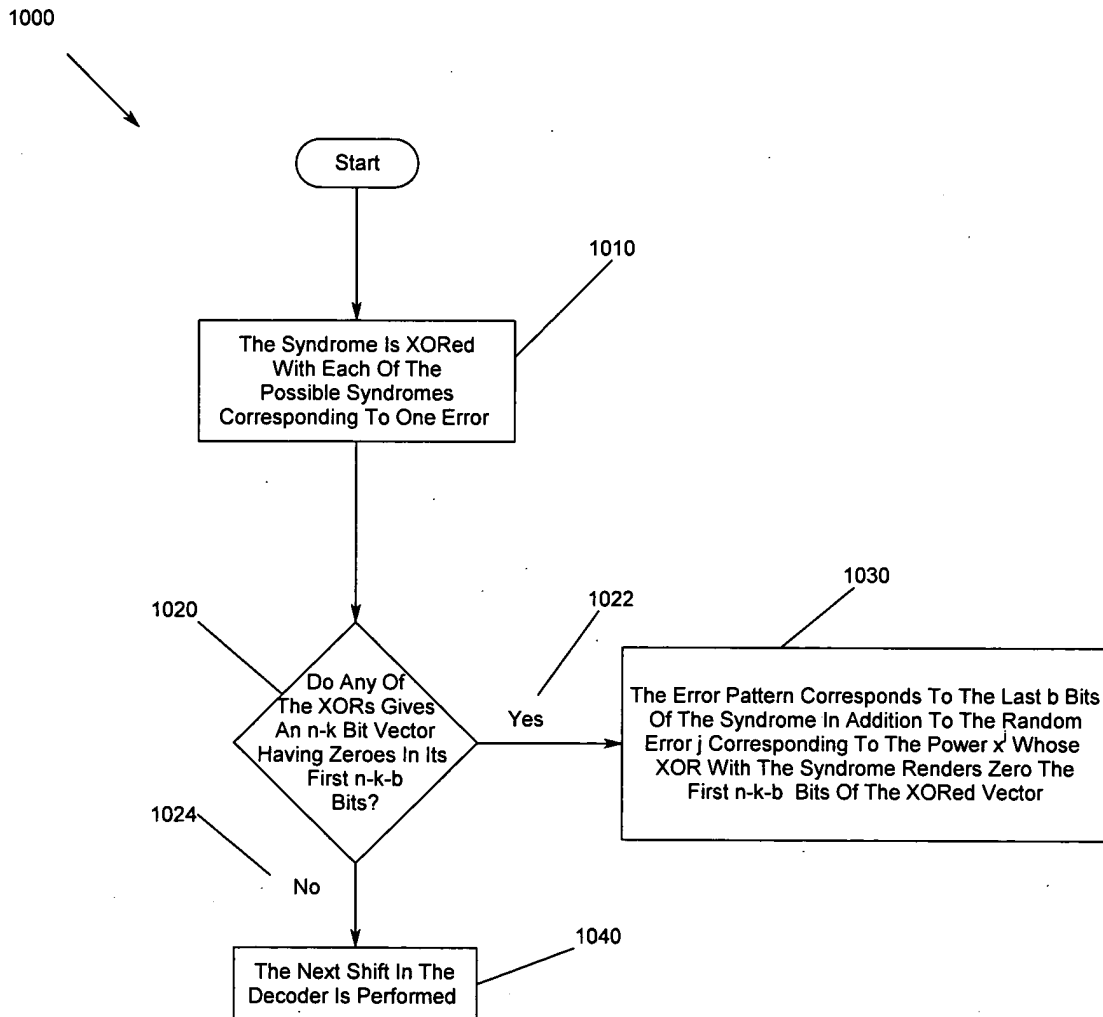


Fig. 10